

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001363

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07D 401/04 // C07D209/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07D401/04, 403/04, 405/04, 409/04, 413/04, A61K31/404, 31/4178, 31/4439, 31/465,

IPC7: 31/496, 31/5377, A61P25/18, 22, 24, 28, 30 // C07D209/34

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CHEM ABS DATA, EPO-INTERNAL, WPI DATA, BIOSIS, EMBASE, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03055492 A1 (ASTRAZENECA AB), 10 July 2003 (10.07.2003) --	1-33
Y	WO 03055877 A1 (ASTRAZENECA AB), 10 July 2003 (10.07.2003) --	1-33
Y	WO 03053330 A2 (ASTRAZENECA AB), 3 July 2003 (03.07.2003) --	1-33
Y	WO 0230868 A1 (BRISTOL-MYERS SQUIBB COMPANY), 18 April 2002 (18.04.2002) --	1-33

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

7 March 2005

Date of mailing of the international search report

08-03-2005

Name and mailing address of the ISA/  
Swedish Patent Office  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03082853 A1 (ASTRAZENECA AB), 9 October 2003 (09.10.2003) -----	1-33

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**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 21–26  
because they relate to subject matter not required to be searched by this Authority, namely:  
See next sheet
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

See next sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1–10, 12–32 and parts of claims 11 and 33

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

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**Box II.1**

Claims 21-26 relate to methods of treatment of the human or animal body by therapy or diagnostic methods practised on the human or animal body (PCT Rule 39.1(iv)). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds or compositions.

**Box III**

In order to fulfil the requirements of unity of invention (see PCT, Article 34(3)(a-c) and Rule 13.2), it is necessary that the intermediate compounds are closely interconnected with the end products. Such close connection requires that the essential structural part of the end product is incorporated by the intermediate. However, the present application lacks a single general inventive concept based on the above principle. This leads to the presence of the subjects listed below, each falling under its own restricted inventive concept:

- (1) the invention according to claims 1-10, 12-32 and parts of claims 11 and 33, relating to 2-oxoindolines and 2-hydroxyindoles;
- (2) The invention according to parts of claims 11 and 33, relating to 6-chloropyridine and 6-chloropyrimidine derivatives.

Consequently, the present application lacks unity of invention. The ISA has carried out a partial search which relates to invention 1 mentioned above.

INTERNATIONAL SEARCH REPORT  
Information on patent family members

30/01/2005

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WO	03055492	A1	10/07/2003	AU	2002359161	A	00/00/0000
				EP	1458394	A	22/09/2004
WO	03055877	A1	10/07/2003	AU	2002359162	A	00/00/0000
				EP	1458711	A	22/09/2004
WO	03053330	A2	03/07/2003	EP	1458707	A	22/09/2004
				SE	0104340	D	00/00/0000
WO	0230868	A1	18/04/2002	AU	1320402	A	22/04/2002
				CA	2425771	A	18/04/2002
				EP	1330426	A	30/07/2003
				HU	0303559	A	01/03/2004
				US	20020045566	A	18/04/2002
WO	03082853	A1	09/10/2003	BR	0308196	A	11/01/2005
				CA	2476343	A	09/10/2003
				EP	1389151	A	18/02/2004
				EP	1492785	A	05/01/2005
				SE	0200979	D	00/00/0000
				US	20040179914	A	16/09/2004